

Claims:

1. In an air cooled internal combustion engine having a cylinder, a rotary fan powered by said engine and contained within a cowling which directs air in a flow from said fan towards said cylinder, with a substantially self cleaning and generally planar air filter located in said flow, the improvement comprising locating said filter closely adjacent an air exit region of said fan to thereby increase the velocity of air flowing over said air filter.
2. The improvement as claimed in claim 1 wherein said air filter is located in a plane which is substantially parallel to the axis of rotation of said fan and substantially parallel to a tangent to the outer circumference of said fan.
3. The improvement as claimed in claim 1 wherein said cowling is curved at least partially around said fan and said air filter is located in a plane which is curved in like fashion to said cowling.
4. The improvement as claimed in claim 1 wherein said air filter is located in a plane which is included into the flow of air leaving said air exit region.
5. The improvement as claimed in any one of claims 1-4 wherein said filter is generally rectangular and has its longer axis substantially aligned with the direction of said air flow.
6. The improvement as claimed in any one of claims 1-5 wherein said filter is substantially flush with said cowling.
7. An air filter arrangement for an internal combustion engine having a cylinder, a rotary fan powered by said engine and contained within a cowling which directs a flow of air from said fan towards said cylinder, said air filter arrangement comprising a generally planar air filter located in said flow and closely adjacent an air exit region of said fan to thereby increase the velocity of air flowing over said air filter.

8. The arrangement as claimed in claim 7 wherein said air filter is located in a plane which is substantially parallel to the axis of rotation of said fan and also substantially parallel to a tangent to the outer circumference of said fan.
9. The arrangement as claimed in claim 7 wherein said cowling is curved at least partially around said fan and said air filter is located in a plane which is curved in like fashion to said cowling.
10. The arrangement as claimed in claim 7 wherein said air filter is located in a plane which is inclined into the flow of air leaving said air exit region.
11. The arrangement as claimed in any one of claims 7-10 wherein said filter is substantially flush with said cowling.
12. The arrangement as claimed in any one of claims 7-11 wherein said filter is generally rectangular and has its longer axis substantially aligned with the direction of said flow of air.